



RAYMOND DALE MADDEN

PATENT

OUR FILE #911

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: RAYMOND DALE MADDEN  
 Application No: 10/757,254  
 Filed : January 13, 2004  
 Entitled : "DOWNHOLE RESETABLE JAR TOOL WITH AXIAL PASSAGEWAY  
 AND MULTIPLE BIASING MEANS"

Confirmation No. 4077

Art Unit :

Examiner:

September 25, 2004

## PRIOR ART STATEMENT

Mail Stop Missing Parts  
 Commissioner For Patents  
 P. O. Box 1450  
 Alexandria, VA 22313-1450

Honorable Sir:

Transmitted herewith is the **PRIOR ART STATEMENT AND A COPY OF  
 8 PERTINENT REFERENCES** concerning the above identified application.

[xx] Small entity status of this application has been established.

[xx] No additional fee is required.

Respectfully submitted,

For RAYMOND DALE MADDEN

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[priorart.cov]  
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EXPRESS LABEL NO: ED 331 818 186 USDATE OF DEPOSIT : September 27, 2004Signature: *JoAnn Bates*

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.01 on the date indicated above and is addressed to: MAIL STOP AMENDMENT, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, by JoAnn Bates, Secretary.

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APPLICANT: RAYMOND DALE MADDEN

CONFIRMATION NO. 4077

APPLICATION NO: 10/757,254

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FOR: "DOWNHOLE RESETABLE JAR TOOL WITH AXIAL PASSAGEWAY  
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## PRIOR ART STATEMENT

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Honorable Sir:

In compliance with the duty to disclose information which is material to the examination of this application, enclosed herewith, for the Examiner's consideration, is a list of the following pertinent prior art:

	Inventor	Patent No:	Patent Date:
1.	Osmun	2,706,616	April 19, 1955
2.	Kinley et al.	2,739,654	March 27, 1956
3.	Skinner et al.	4,508,174	April 02, 1985
4.	Templeton	4,646,830	March 03, 1987
5.	Restarick, Jr. et al.	4,736,797	April 12, 1988
6.	Godfrey et al.	4,921,438	May 01, 1990

7. Buyers et al. Pub.No. US2002/0112866 A1 August 22, 2002  
8. Brewer Pub.No. US2002/0104380/A1 August 02, 2002

#### **REMARKS**

1. The Osmun Patent, No. 2,706,616, teaches a conductor line jar wherein the conductor 102 of cable 99 extends axially through the jar so that jarring operations do not interfere with the flow of current through the conductor. An instrument package is supported below the jar and is connected to the lower end of the conductor. The hammer and anvil, respectively, are referred to as a cylindrical member 30 and a sleeve 40; respectively, while a piston 47 serves as a hydraulic releasing member for imparting a force into the jar hammer. Applicant, on the other hand, employs a mechanical releasing apparatus, as well as spaced stored energy chambers, for accelerating a hammer for impacting an anvil, whereas Osmun relies on wireline tension for accelerating a hammer.

2. The Patent to Kinley et al, No. 2,739,654 shows a back-off jar for imparting a rotary jarring action to threaded sections of pipe in a well bore. The spring 18 does not appear related to accelerating a hammer against an anvil, so there is not disclosed therein the recited spaced spring chambers, nor is there found the through tool axial conductor for communicating an instrument package with the surface. Accordingly the Kinley et al reference appears non-anticipatory.

3. The Skinner et al Patent, No. 4,508,174, discloses a downhole tool having the dual function of sampling well fluid as well as providing a jar tool 86 having apparatus that provides a jarring action selectively in an uphole or downhole direction. The spring 10 biases slide means 8 in an upward direction while cap 48 forms shoulder 50 for abutting slide means 8. The actual dual

operation of the jar means as well as the exact routing of the conductor through the tool seems substantially different from Applicants contribution. However, there are no multiple stored energy chambers found in Skinner, nor does the through conductor anticipate the instant claims at bar.

4. The Templeton Patent, No. 4,646,830, sets forth a downhole jar device in the form of a resetable, hydraulically actuated coupling device by which a hammer is released so it can accelerate toward and impact an anvil in response to wireline tension in order to unstick a fish. It is noted that an axial passageway 74 extends through the entire tool, but does not include an E-line for transmitting information of downhole conditions to the surface receivers.

5. The Restarick, Jr. et al Patent, No. 4,736,797, provides both method and apparatus respective the use of a jar tool that also employs an E-line for effecting upward jarring of a fish stuck downhole in a wellbore. The main purpose of this jar tool is to be able to release the electrical conductor should the fish refuse to become unstuck following the jarring action. It is noted that this reference is for severing the E-line in contradistinction to Applicant who desires to protect his electrical conductor and keep it out of harms way. In Figure 2, it is noted that the conductor wire is not extended axially through the entire jar tool. More importantly, Applicant's claimed spaced spring chambers are not found in this reference. Hence, it appears that Restarick, Jr. et al fails to comprehend Applicant's claimed subject matter.

6. The Patent to Godfrey, No. 4,921,438, discloses an electrical wet connector having a spring chamber (81 of Figure 1B) for biasing a member 50; a coil spring 94 within the chamber, and a conductor 58 made into a spiral configuration. The coiled conduc-

tor is concentric respective the coiled spring. This Patent is not to a jar, but nevertheless seems to be related art. However, Applicant's claims are deemed patentably different over Godfrey.

7. The Buyers et al Patent Application Publication, as taught in the US 2002/ 0112866 A1 disclosure, schematically illustrates spaced spring chambers in a jar device; the upper spring device thereof being for accelerating the hammer, whereas the lower spring device is for opposing the main accelerating spring. Hence, this reference is an opposite teaching and leads away from Applicant's teaching of an improved jar tool. Therefore the Buyers disclosure seems to fail as a valid reference of anticipatory value respective Applicant's claims at bar.

8. The Brewer Patent Application Publication, US 2002/ 0104380 A1, is cited to show another example of a solution to the problem of running an electrical conductor axially through an entire downhole tool. While this reference does not comprehend a jar device, it is cited to show a tool other than a jar device for whatever value it may have.

The above represents the most pertinent prior art known to Applicant and his agent at this time.

Respectfully submitted,

For: RAYMOND DALE MADDEN

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Note: [marcus--initial letter little L, not number 1]